

IN THE SPECIFICATION

Page 20, Table 2, replace by:

KINASE	SUBDOMAINS (SEQ ID NOS:)	
	VIB	VIII
Serine/threonine kinase consensus	DLKPEN 35	G (T/S) XX (Y/F) X 37-40
Tyrosine kinase consensus	DLAAFN 36	XP (I/V) (K/R) W (T/M) 41-48
Act R-II	DIKSKN Amino acids 322-327 of SEQ ID NO: 30	GTRRYM Amino acids 361-366 of SEQ ID NO: 30
Act R-III	DFKSKN Amino acids 345-350 of SEQ ID NO: 31	GTRRYM Amino acids 361-366 of SEQ ID NO: 31
TβR-II	DLKSSN Amino acids 379-384 of SEQ ID NO: 32	GTARYM Amino acids 420-425 of SEQ ID NO: 32
ALK-I	DFKSRN Amino acids 330-335 of SEQ ID NO: 3	GTKRYM 29
ALK-2, -3, -4, -5, & -6	DLKSKN 28	GTKRYM 29

IN THE SEQUENCES

Replace the current sequence listing by the attached. The undersigned hereby declares that, to the best of his knowledge the attached paper copy of sequence information and computer readable form thereof present information are identical to each other and to information in the application as filed. No new matter is believed presented.



TABLE 2

KINASE	SUBDOMAINS (SEQ ID NOS:)	
	VIB	VIII
Serine/threonine kinase consensus	DLKPEN 35	G (T/S) XX (Y/F) X 37-40
5 Tyrosine kinase consensus	DLAARN 36	XP(I/V) (K/R) W (T/M) 41-48
Act R-II	DIKSKN 322-327 of SEQ ID NO: 20	GTRRYM amino acids 361-366 of SEQ ID NO: 20
Act R-IIB	DFKSKN 345-350 of SEQ ID NO: 31	GTRRYM amino acids 361-366 of SEQ ID NO: 20
TBR-II	DLKSSN 379-384 of SEQ ID NO: 32	GTARYM amino acids 420-425 of SEQ ID NO: 32
ALK-I	DFKSKN 330-335 of SEQ ID NO: 2	GTKRYM 29 29
10 ALK -2, -3, -4, -5, & -6	DLKSKN 28	GTKRYM 29

The sequence motifs DLKSKN (Subdomain VIB) and GTKRYM (Subdomain VIII), that are found in most of the serine/threonine kinase receptors, agree well with the consensus sequences for all protein serine/threonine kinase receptors in these regions. In addition, these receptors, except for ALK-1, do not have a tyrosine residue surrounded by acidic residues between subdomains VII and VIII, which is common for tyrosine kinases. A unique characteristic of the members of the ALK serine/threonine kinase receptor family is the presence of two short inserts in the kinase